

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/02505

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E01H1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 422 681 A (LAROCHE SYLVAIN) 27 December 1983 (1983-12-27) the whole document	1,2,4
A	US 3 740 086 A (ROSSITTO C) 19 June 1973 (1973-06-19) the whole document	21-24
X	DE 36 06 468 A (BAUER ANTON) 3 September 1987 (1987-09-03) the whole document	1
A	DE 36 06 468 A (BAUER ANTON) 3 September 1987 (1987-09-03) the whole document	2,4,6,8, 21-24
A	US 3 680 504 A (SEEBALD FRANCIS W) 1 August 1972 (1972-08-01) the whole document	1,10, 21-24
A	US 3 680 504 A (SEEBALD FRANCIS W) 1 August 1972 (1972-08-01) the whole document	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
11 September 2003	17/09/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Dijkstra, G

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB 03/02505

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4422681	A	27-12-1983	CA	1168676 A1		05-06-1984
US 3740086	A	19-06-1973	NONE			
DE 3606468	A	03-09-1987	DE	3606468 A1		03-09-1987
US 3680504	A	01-08-1972	DE US	2052682 A1 3817194 A		06-05-1971 18-06-1974